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POTENT COOPERATION TREATY PCT

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or	agent's file reference	FOR FURTHER ACT	ION See Notificati	ion of Transmittal of International
WO/169		FOR FORTHER ACT	Preliminary E	xamination Report (Form PCT/IPEA/416)
		International filing date (da 22.10.2003	y/month/year)	Priority date (day/month/year) 25.10.2002
		or both national classification and	IPC	
A61K31/19				
Applicant DOMPE S	.P.A. et al			
1. This	nternational preliminary ority and is transmitted to	examination report has been the applicant according to A	prepared by this Ir rticle 36.	nternational Preliminary Examining
2. This	2. This REPORT consists of a total of 5 sheets, including this cover sheet.			
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
Thes	These annexes consist of a total of sheets.			
3. This	report contains indicatio	ns relating to the following ite	ems:	•
1	Basis of the opini	on		
11	□ Priority			
in	☐ Non-establishme	nt of opinion with regard to no	ovelty, inventive st	ep and industrial applicability
iv	[] Look of unity of in	vention	•	
v	M Bossoned states	nent under Rule 66.2(a)(ii) wi anations supporting such sta	th regard to novelt tement	y, inventive step or industrial applicability;
VI	☐ Certain documer			
VII	☐ Certain defects in	the international application	i e	
.VIII	☐ Certain observat	ons on the international appl	ication ·	
			<u> </u>	
Date of su	omission of the demand		Date of completion	of this report
Date of Su				
28.04.2004			03.11.2004	•
Name and	mailing address of the inte y examining authority:	•	Authorized Officer	Jennes Patrones, E
	European Patent Office D-10958 Berlin	- Gitschiner Str. 103	Beyss, E	
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/11689

1	Basis	of the	report
I.	Lagis	01 1110	

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Desc	ription, Pages			
	1-11		as originally filed		
	Clair	ns, Numbers			
	1-3		as originally filed		
	Drav	vings, Sheets			
	1-3		as originally filed		
2.	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.				
These elements were available or furnished to this Authority in the following language: , which					
		the language of a trar	nslation furnished for the purposes of the international search (under Rule 23.1(b)).		
	П	the language of public	cation of the international application (under Rule 48.3(b)).		
		the language of a trar Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under		
With regard to any nucleotide and/or amino acid sequence disclosed in the international application international preliminary examination was carried out on the basis of the sequence listing:					
			national application in written form.		
		filed together with the	e international application in computer readable form.		
		furnished subsequen	tly to this Authority in written form.		
		furnished subsequen	itly to this Authority in computer readable form.		
		in the international at	ne subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.		
		The statement that the listing has been furni	he information recorded in computer readable form is identical to the written sequence		
4	. The	amendments have re	esulted in the cancellation of:		
		the description,	pages:		
		the claims,	Nos.:		
		the drawings,	sheets:		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/11689

 This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement 1-3 Yes: Claims Novelty (N) Claims No: 1-3 Yes: Claims Inventive step (IS) Claims No: Yes: Claims 1-3 Industrial applicability (IA) Claims No:

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: US-B-63425301 D2: US-A-5895789

1. Novelty

D1 describes pharmaceutical formulations containing d,I- or I-lysine salt of R,S- or Sibuprofen suitable for parenteral administration wherein the pH is adjusted to 7.2 to 7.6 (claim 1; column 4, line 62).

D2 describes pharmaceutical formulations containing 2-arylpropionic acid like ibuprofen suitable for parenteral administration wherein the pH is adjusted to 7.0 to 7.5 (claim 1).

Present application discloses pharmaceutical compositions containing 2-arylpropionic acids suitable for parenteral administration wherein the pH is in the range between 8 to 9. The subject-matter of claims 1-3 is therefore new (Article 33(2) PCT).

2. Inventive Step

D1 is considered to represent the most relevant state of the art. The problem to be solved by the present invention may be regarded as the provision of pharmaceutical compositions suitable for parenteral administration which contain salts of 2-arylpropionic acids and which generate no pain upon injection (page 1, line 1-4).

The solution to this problem proposed in claims 1-3 of the present application is considered as involving an inventive step (Article 33(3) PCT) since neither D1 nor D2 gives a hint nor suggestion that a formulation having a pH of 8 to 9 are less painful upon injection.

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP 03/11689

The results of the experiments as outlined in tables 4-8 show that formulations according to claims 1-3 are unexpectedly less painful upon administration than compositions having a lower or higher pH.

3. Industrial Applicability

Claims 1-3 meet the requirements of Article 33(4) PCT.